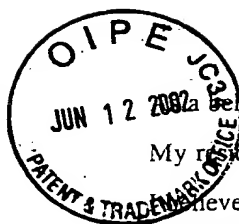


**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR UTILITY OR DESIGN PATENT APPLICATION**



I, the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PARALLEL DATA PROCESSING APPARATUS

the specification of which (check only one item below):

- ☐ is attached hereto.
- ☒ was filed as United States application  
Number 09/972,797 on October 9, 2001  
and was amended on October 9, 2001 (if applicable).
- ☐ was filed as PCT international application  
Number \_\_\_\_\_ on \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §§119 (a)-(d), 172 or 365 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §§119(a)-(d), 172 or 365:					
COUNTRY (if PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. §§119, 172 or 365		
United Kingdom	9908199.4	9 April 1999	X	Yes	No
United Kingdom	9908201.8	9 April 1999	X	Yes	No
United Kingdom	9908203.4	9 April 1999	X	Yes	No
United Kingdom	9908204.2	9 April 1999	X	Yes	No
United Kingdom	9908205.9	9 April 1999	X	Yes	No
United Kingdom	9908209.1	9 April 1999	X	Yes	No
United Kingdom	9908211.7	9 April 1999	X	Yes	No
United Kingdom	9908214.1	9 April 1999	X	Yes	No
United Kingdom	9908219.0	9 April 1999	X	Yes	No
United Kingdom	9908222.4	9 April 1999	X	Yes	No
United Kingdom	9908225.7	9 April 1999	X	Yes	No
United Kingdom	9908226.5	9 April 1999	X	Yes	No

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §§ 119(a)-(d), 172 or 365:					
COUNTRY (if PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. §§ 119, 172 or 365		
United Kingdom	9908227.3	9 April 1999	X	Yes	No
United Kingdom	9908228.1	9 April 1999	X	Yes	No
United Kingdom	9908229.9	9 April 1999	X	Yes	No
United Kingdom	9908230.7	9 April 1999	X	Yes	No

I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:

William L. Mathis	17,337	Eric H. Weisblatt	30,505	Bruce T. Wieder	33,815
Robert S. Swecker	19,885	James W. Peterson	26,057	Todd R. Walters	34,040
Platon N. Mandros	22,124	Teresa Stanek Rea	30,427	Ronni S. Jillions	31,979
Benton S. Duffett, Jr.	22,030	Robert E. Krebs	25,885	Harold R. Brown III	36,341
Norman H. Stepno	22,716	William C. Rowland	30,888	Allen R. Baum	36,086
Ronald L. Grudziecki	24,970	T. Gene Dillahunt	25,423	Brian P. O'Shaughnessy	32,747
Frederick G. Michaud, Jr.	26,003	Patrick C. Keane	32,858	Kenneth B. Leffler	36,075
Alan E. Kopecki	25,813	B. Jefferson Boggs, Jr.	32,344	Fred W. Hathaway	32,236
Regis E. Slutter	26,999	William H. Benz	25,952	Wendi L. Weinstein	34,456
Samuel C. Miller, III	27,360	Peter K. Skiff	31,917	Mary Ann Dillahunt	34,576
Robert G. Mukai	28,531	Richard J. McGrath	29,195		
George A. Hovanec, Jr.	28,223	Matthew L. Schneider	32,814		
James A. LaBarre	28,632	Michael G. Savage	32,596		
E. Joseph Gess	28,510	Gerald F. Swiss	30,113		
R. Danny Huntington	27,903	Charles F. Wieland III	33,096		



21839

and:

Address all correspondence to:



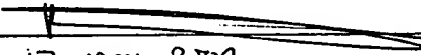
21839

Ronald L. Grudziecki  
BURNS, DOANE, SWECKER & MATHIS, L.L.P.  
P.O. Box 1404  
Alexandria, Virginia 22313-1404

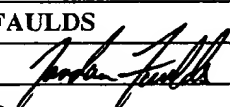
Address all telephone calls to: Ronald L. Grudziecki at (703) 836-6620.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

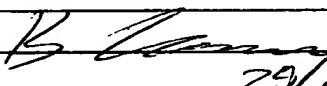
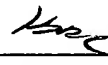

FULL NAME OF SOLE OR FIRST INVENTOR	Dave STUTTARD
Signature	<i>Dave Stuttard</i>
Date	17 <sup>th</sup> May, 2002
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	28 St. Georges Avenue, St. George, Bristol BS5 8DD UNITED KINGDOM
City, State, ZIP, Country	St. George, Bristol BS5 8DD

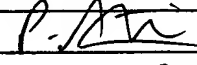
<b>FULL NAME SECOND INVENTOR, IF ANY</b>	Dave WILLIAMS
Signature	
Date	17 MAY 2002
Residence (City, State, Country)	Gloucestershire, UNITED KINGDOM
Citizenship	British
Mailing Address	20 COUSINS WAY EMERSONS GREEN SOUTH GLOUCESTERSHIRE
City, State, ZIP, Country	45 Railton Jones Close Stoke Gifford Gloucestershire BS34 8XY, UNITED KINGDOM
	Gloucestershire BS34 8XY, UNITED KINGDOM
<b>FULL NAME THIRD INVENTOR, IF ANY</b>	Eamon O'DEA
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	Irish
Mailing Address	32 Richmond Park Road Clifton, Bristol BS8 3AP, UNITED KINGDOM
City, State, ZIP, Country	Bristol BS8 3AP, UNITED KINGDOM
<b>FULL NAME FOURTH INVENTOR, IF ANY</b>	Gordon FAULDS
Signature	
Date	
Residence (City, State, Country)	Gloucestershire, UNITED KINGDOM
Citizenship	British
Mailing Address	21 High Furlong, Cam, Nr. Dursley Gloucestershire GL11 5UZ, UNITED KINGDOM
City, State, ZIP, Country	Gloucestershire GL11 5UZ, UNITED KINGDOM
<b>FULL NAME FIFTH INVENTOR, IF ANY</b>	John RHODES
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	40 Ormonds Close Bradley Stoke Bristol BS32 ODX, UNITED KINGDOM
City, State, ZIP, Country	Bradley Stoke, Bristol BS32 ODX, UNITED KINGDOM

Residence (City, State, Country)	Gloucestershire, UNITED KINGDOM
Citizenship	British
Mailing Address	45 Railton Jones Close Stoke Gifford Gloucestershire BS34 8XY, UNITED KINGDOM
City, State, ZIP, Country	Gloucestershire BS34 8XY, UNITED KINGDOM
<b>FULL NAME THIRD INVENTOR, IF ANY</b>	<b>Eamon O'DEA</b>
Signature	<i>Eamon O'Dea</i>
Date	3/6/02
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	Irish
Mailing Address	32 Richmond Park Road Clifton, Bristol BS8 3AP, UNITED KINGDOM
City, State, ZIP, Country	Bristol BS8 3AP, UNITED KINGDOM
<b>FULL NAME FOURTH INVENTOR, IF ANY</b>	<b>Gordon FAULDS</b>
Signature	
Date	
Residence (City, State, Country)	Gloucestershire, UNITED KINGDOM
Citizenship	British
Mailing Address	21 High Furlong, Cam, Nr. Dursley Gloucestershire GL11 5UZ, UNITED KINGDOM
City, State, ZIP, Country	Gloucestershire GL11 5UZ, UNITED KINGDOM
<b>FULL NAME FIFTH INVENTOR, IF ANY</b>	<b>John RHODES</b>
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	40 Ormonds Close Bradley Stoke Bristol BS32 ODX, UNITED KINGDOM
City, State, ZIP, Country	Bradley Stoke, Bristol BS32 ODX, UNITED KINGDOM
<b>FULL NAME SIXTH INVENTOR, IF ANY</b>	<b>Ken CAMERON</b>
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	29 Little Meadow Bristol BS32 8AT, UNITED KINGDOM

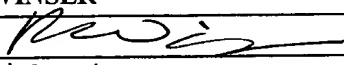
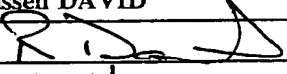
<b>FULL NAME SECOND INVENTOR, IF ANY</b>	<b>Dave WILLIAMS</b>
Signature	
Date	
Residence (City, State, Country)	Gloucestershire, UNITED KINGDOM
Citizenship	British
Mailing Address	45 Railton Jones Close Stoke Gifford Gloucestershire BS34 8XY, UNITED KINGDOM
City, State, ZIP, Country	Gloucestershire BS34 8XY, UNITED KINGDOM
<b>FULL NAME THIRD INVENTOR, IF ANY</b>	<b>Eamon O'DEA</b>
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	Irish
Mailing Address	32 Richmond Park Road Clifton, Bristol BS8 3AP, UNITED KINGDOM
City, State, ZIP, Country	Bristol BS8 3AP, UNITED KINGDOM
<b>FULL NAME FOURTH INVENTOR, IF ANY</b>	<b>Gordon FAULDS</b>
Signature	
Date	12/5/02
Residence (City, State, Country)	Gloucestershire, UNITED KINGDOM
Citizenship	British
Mailing Address	ROSE COTTAGE, TAITS HILL ROAD, STINCHCOMBE, <del>21 High Furlong, Cam. Nr. Dursley DURSLEY</del> Gloucestershire GL11 5UZ, UNITED KINGDOM
City, State, ZIP, Country	Gloucestershire GL11 5UZ, UNITED KINGDOM
<b>FULL NAME FIFTH INVENTOR, IF ANY</b>	<b>John RHODES</b>
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	40 Ormonds Close Bradley Stoke Bristol BS32 ODX, UNITED KINGDOM
City, State, ZIP, Country	Bradley Stoke, Bristol BS32 ODX, UNITED KINGDOM

<b>FULL NAME SECOND INVENTOR, IF ANY</b>	<b>Dave WILLIAMS</b>
Signature	
Date	
Residence (City, State, Country)	Gloucestershire, UNITED KINGDOM
Citizenship	British
Mailing Address	45 Railton Jones Close Stoke Gifford Gloucestershire BS34 8XY, UNITED KINGDOM
City, State, ZIP, Country	Gloucestershire BS34 8XY, UNITED KINGDOM
<b>FULL NAME THIRD INVENTOR, IF ANY</b>	<b>Eamon O'DEA</b>
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	Irish
Mailing Address	32 Richmond Park Road Clifton, Bristol BS8 3AP, UNITED KINGDOM
City, State, ZIP, Country	Bristol BS8 3AP, UNITED KINGDOM
<b>FULL NAME FOURTH INVENTOR, IF ANY</b>	<b>Gordon FAULDS</b>
Signature	
Date	
Residence (City, State, Country)	Gloucestershire, UNITED KINGDOM
Citizenship	British
Mailing Address	21 High Furlong, Cam, Nr. Dursley Gloucestershire GL11 5UZ, UNITED KINGDOM
City, State, ZIP, Country	Gloucestershire GL11 5UZ, UNITED KINGDOM
<b>FULL NAME FIFTH INVENTOR, IF ANY</b>	<b>John <del>RHODES</del> RHOADES</b> <i>JSR</i>
Signature	<i>John Rhoades</i>
Date	<i>12/5/02</i>
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	<del>British</del> UNITED STATES OF AMERICA <i>JSR</i>
Mailing Address	40 Ormonds Close Bradley Stoke Bristol BS32 ODX, UNITED KINGDOM
City, State, ZIP, Country	Bradley Stoke, Bristol BS32 ODX, UNITED KINGDOM

<b>FULL NAME SIXTH INVENTOR, IF ANY</b>	Ken CAMERON
Signature	
Date	29/04/02
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	29 Little Meadow 23 ELIZABETH CRESCENT Bristol BS32 8AT, UNITED KINGDOM 
City, State, ZIP, Country	Bristol BS32 8AT, UNITED KINGDOM BS34 8NY
<b>FULL NAME SEVENTH INVENTOR, IF ANY</b>	Phil ATKIN 
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	2440 The Quadrant Aztec West, Almondsbury Bristol BS32 4AQ, UNITED KINGDOM
City, State, ZIP, Country	
<b>FULL NAME EIGHTH INVENTOR, IF ANY</b>	Paul WINSER
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	8 Oakleigh House Bridge Road, Leigh Woods Bristol BS8 3PB, UNITED KINGDOM
City, State, ZIP, Country	
<b>FULL NAME NINTH INVENTOR, IF ANY</b>	Russell DAVID
Signature	
Date	
Residence (City, State, Country)	Wiltshire, UNITED KINGDOM
Citizenship	British
Mailing Address	8 Rowan Drive Wootton Bassett Wiltshire SN4 7ES, UNITED KINGDOM
City, State, ZIP, Country	Wiltshire SN4 7ES, UNITED KINGDOM

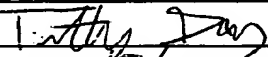
<b>FULL NAME SIXTH INVENTOR, IF ANY</b>	Ken CAMERON
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	29 Little Meadow Bristol BS32 8AT, UNITED KINGDOM
City, State, ZIP, Country	Bristol BS32 8AT, UNITED KINGDOM
<b>FULL NAME SEVENTH INVENTOR, IF ANY</b>	Phil ATKIN
Signature	
Date	20/5/02 WILTSHIRE
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	2440 The Quadrant, HATCH 22 LTD, REGUS HOUSE, AZTEE WEST, ALMONDSBURY WHITE HILL WAY, SWINDON Bristol BS32 4AQ, UNITED KINGDOM WILTSHIRE SN5 6QK
City, State, ZIP, Country	WILTSHIRE, UNITED KINGDOM FA -
<b>FULL NAME EIGHTH INVENTOR, IF ANY</b>	Paul WINSER
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	8 Oakleigh House Bridge Road, Leigh Woods Bristol BS8 3PB, UNITED KINGDOM
City, State, ZIP, Country	
<b>FULL NAME NINTH INVENTOR, IF ANY</b>	Russell DAVID
Signature	
Date	
Residence (City, State, Country)	Wiltshire, UNITED KINGDOM
Citizenship	British
Mailing Address	8 Rowan Drive Wootton Bassett Wiltshire SN4 7ES, UNITED KINGDOM
City, State, ZIP, Country	Wiltshire SN4 7ES, UNITED KINGDOM

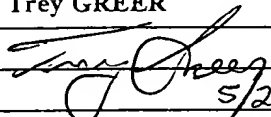


<b>FULL NAME SIXTH INVENTOR, IF ANY</b>	<b>Ken CAMERON</b>
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	29 Little Meadow Bristol BS32 8AT, UNITED KINGDOM
City, State, ZIP, Country	Bristol BS32 8AT, UNITED KINGDOM
<b>FULL NAME SEVENTH INVENTOR, IF ANY</b>	<b>Phil ATKIN</b>
Signature	
Date	
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	2440 The Quadrant Aztec West, Almondsbury Bristol BS32 4AQ, UNITED KINGDOM
City, State, ZIP, Country	
<b>FULL NAME EIGHTH INVENTOR, IF ANY</b>	<b>Paul WINSER</b>
Signature	
Date	17 May 2002
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	8 Oakleigh House Bridge Road, Leigh Woods Bristol BS8 3PB, UNITED KINGDOM
City, State, ZIP, Country	
<b>FULL NAME NINTH INVENTOR, IF ANY</b>	<b>Russell DAVID</b>
Signature	
Date	17 May 2002
Residence (City, State, Country)	Wiltshire, UNITED KINGDOM
Citizenship	British
Mailing Address	8 Rowan Drive Wootton Bassett Wiltshire SN4 7ES, UNITED KINGDOM
City, State, ZIP, Country	Wiltshire SN4 7ES, UNITED KINGDOM

FULL NAME TENTH INVENTOR, IF ANY	Ray McCONNELL
Signature	<i>Ray McConnell</i>
Date	17/5/02
Residence (City, State, Country)	Bristol, UNITED KINGDOM
Citizenship	British
Mailing Address	Flat 11, 1 Clifton Road Clifton, Bristol BS8 1AE, UNITED KINGDOM 6 WORRALL PLACE WORRALL ROAD, CLIFTON BS8 2LP
City, State, ZIP, Country	Bristol BS8 1AE, BS8 2LP UNITED KINGDOM

☒ Additional inventors are being named on the Supplemental Additional Inventor(s) Sheet(s) attached hereto.

<b>COMBINED DECLARATION FOR PATENT APPLICATION &amp; POWER OF ATTORNEY</b> (Includes Reference to Provisional and PCT International Applications) <b>Supplemental Sheet</b>		Attorney's Docket No. 032658-018
Full Name of Additional Joint Inventor, If Any	Tim DAY	
Signature		
Date	30/5/2002	
Residence (City, State, Country)	Bristol, UNITED KINGDOM	
Citizenship	British	
Mailing Address	33 Rosebery Avenue St. Werburghs Bristol BS2 9TW, UNITED KINGDOM	
City, State, ZIP, Country	Bristol BS2 9TW, UNITED KINGDOM	
Full Name of Additional Joint Inventor, If Any	Trey GREER	
Signature		
Date		
Residence (City, State, Country)	Chapel Hill, North Carolina, United States of America	
Citizenship	United States of America	
Mailing Address	330 Sunset Creek Circle Chapel Hill, North Carolina 27516	
City, State, ZIP, Country	Chapel Hill, North Carolina 27516, United States of America	
Full Name of Additional Joint Inventor, If Any		
Signature		
Date		
Residence (City, State, Country)		
Citizenship		
Mailing Address		
City, State, ZIP, Country		
Full Name of Additional Joint Inventor, If Any		
Signature		
Date		
Residence (City, State, Country)		
Citizenship		
Mailing Address		
City, State, ZIP, Country		

COMBINED DECLARATION FOR PATENT APPLICATION & POWER OF ATTORNEY (Includes Reference to Provisional and PCT International Applications) Supplemental Sheet		Attorney's Docket No. 032658-018
Full Name of Additional Joint Inventor, If Any	Tim DAY	
Signature		
Date		
Residence (City, State, Country)	Bristol, UNITED KINGDOM	
Citizenship	British	
Mailing Address	33 Rosebery Avenue St. Werburghs Bristol BS2 9TW, UNITED KINGDOM	
City, State, ZIP, Country	Bristol BS2 9TW, UNITED KINGDOM	
Full Name of Additional Joint Inventor, If Any	Trey GREER	
Signature		
Date	5/21/02	
Residence (City, State, Country)	Chapel Hill, North Carolina, United States of America	
Citizenship	United States of America	
Mailing Address	330 Sunset Creek Circle Chapel Hill, North Carolina 27516	
City, State, ZIP, Country	Chapel Hill, North Carolina 27516, United States of America	
Full Name of Additional Joint Inventor, If Any		
Signature		
Date		
Residence (City, State, Country)		
Citizenship		
Mailing Address		
City, State, ZIP, Country		
Full Name of Additional Joint Inventor, If Any		
Signature		
Date		
Residence (City, State, Country)		
Citizenship		
Mailing Address		
City, State, ZIP, Country		